

Title (en)

ARC EXTINGUISHING ASSEMBLY AND CIRCUIT BREAKER COMPRISING SAME

Title (de)

LICHTBOGENLÖSCHANORDNUNG UND DAMIT VERSEHENER SCHUTZSCHALTER

Title (fr)

ENSEMBLE D'EXTINCTION D'ARC ET DISJONCTEUR LE COMPRENANT

Publication

EP 4123679 A4 20240410 (EN)

Application

EP 21772157 A 20210303

Priority

- KR 20200034575 A 20200320
- KR 2021002589 W 20210303

Abstract (en)

[origin: EP4123679A1] The present invention relates to an arc extinguishing assembly, including side members which are spaced apart by a certain distance and disposed to face each other; an exhaust which is installed on an upper part of the side member; a plurality of grids which are installed between the side members and having both ends fixed to each of the side members; an arc guide having one end coupled to the side member and installed under the plurality of grids; and a magnet which is installed such that both ends are respectively coupled to the side members under the plurality of grids, and forms an electromagnetic force in a direction toward the grid, and a circuit breaker including the same.

IPC 8 full level

H01H 73/18 (2006.01); **H01H 71/24** (2006.01)

CPC (source: EP KR US)

H01H 9/342 (2013.01 - US); **H01H 9/44** (2013.01 - EP); **H01H 9/443** (2013.01 - EP US); **H01H 71/2481** (2013.01 - KR); **H01H 73/18** (2013.01 - EP KR); **H01H 9/342** (2013.01 - EP); **H01H 9/46** (2013.01 - EP); **H01H 71/2481** (2013.01 - US); **H01H 73/18** (2013.01 - US); **H01H 2071/249** (2013.01 - KR US)

Citation (search report)

- [YA] KR 20180048151 A 20180510 - LSIS CO LTD [KR]
- [Y] CN 110400710 A 20191101 - ABB OY
- [Y] JP 2011129385 A 20110630 - FUJI ELEC FA COMPONENTS & SYS
- [A] US 2017301490 A1 20171019 - DOMEJEAN ERIC [FR], et al
- [A] KR 101624440 B1 20160525
- See references of WO 2021187774A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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